017-20-000006

P-3744

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package - 2019-20 RRN-DIV-(08).

RR Nagara Division

MEASURMENT BOOK

PAYMENT CERTIFICATE

First & Part BILL

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	1	
Item Name:	Earth work in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.50m. excavated surface levelled and neatly dressed , disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.	

CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
		Control Room					
		1.00	5.00	6.00	0.45	13.50	
Total Qty Work Done						**13.50**	**Cum**
Qty Payable in this bill						**13.50**	**Cum**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

3/4/2022

Asst.Exective Engineer
Yashanthapura Subdivision

2/04/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	2	
Item Name:	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, in hard soil, exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods complete as per specifications.	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
		Control Room					
	Footings	4.00	1.95	1.95	1.50	22.82	
	Main Walls	2.00	6.40	0.90	0.90	10.37	
		2.00	4.40	0.90	0.90	7.13	
					Total Qty Work Done	40.31	Cum
					Qty Limited	40.00	Cum
					Qty Payable in this bill	40.00	Cum

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS ★ Bangalore

Consultant Representative

2/4/2022

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	3	
Item Name:	KSRB-3.2: Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured)	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
		Control Room					
	Footings	1.00	4.80	3.20		15.36	
					Total Qty Work Done	15.36	Sqm
					Qty Payable in this bill	15.36	Sqm

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	4	
Item Name:	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete.	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
		Control Room					
	Footings	4.00	1.80	1.80	0.125	1.62	
	Main Walls	2.00	6.40	0.47	0.125	0.75	
		2.00	4.40	0.47	0.125	0.52	
					Total Qty Work Done	2.89	Cum
					Qty Limited	2.88	Cum
					Qty Payable in this bill	2.88	Cum

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

4/4/2022

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision
22/04/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	5	
Item Name:	Providing and constructing granite/ trap/basalt size stone masonry in foundation in CM 1:6 stone hammed dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials labour, curing etc., complete as per specifications.	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
		Control Room					
	Main Walls	2.00	6.00	0.60	0.400	2.88	
		2.00	4.00	0.60	0.400	1.92	
	Deductions						
	Columns	-4.00	0.20	0.60	0.40	-0.19	
					Total Qty Work Done	4.61	Cum
					Qty Limited	3.26	Cum
					Qty Payable in this bill	3.26	Cum

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	6						
Item Name:	Providing and constructing granite/trap/basalt/size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labhour, curing complete as per specifications.						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	Control Room						
	Main Walls	**2.00**	6.00	0.45	0.400	2.16	
		2.00	4.00	0.45	0.400	1.44	
	Deductions						
	Columns	**-4.00**	**0.20**	**0.45**	**0.40**	-0.14	
					Total Qty Work Done	**3.46**	**Cum**
					Qty Limited	**2.45**	**Cum**
					Qty Payable in this bill	**2.45**	**Cum**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

16/4/2022

Assistant Engineer
Ward No-17

Asst. Executive Engineer
Yashanthapura Subdivision
22/04/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	7	2/5/22

Item Name: KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.

	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
		Control Room					
	Footings	**4.00**	1.80	1.80	0.45	5.83	
	Columns Upto Plinth	**4.00**	0.20	0.45	1.20	0.43	
	Columns Upto Roof	**4.00**	0.20	0.45	3.00	1.08	
	Plinth Beam						
	PB1 &PB2	**2.00**	6.40	0.23	0.45	1.32	
	PB3 &PB4	**2.00**	4.40	0.23	0.45	0.91	
	Lintels	**1.00**	22.00	0.20	0.15	0.66	
	Roof Beam						
	GB1 &GB2	**2.00**	6.40	0.20	0.30	0.77	
	GB3 &GB4	**2.00**	4.40	0.20	0.30	0.53	
	Slab	**1.00**	6.40	4.40	0.15	4.22	
	Chejjas						
	W1	**1.00**	1.46	0.45	0.10	0.07	

	CHAINAGE	NO	L	B	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)		
	W	1.00	2.00	0.45	0.10	0.09	
	D	1.00	1.30	0.45	0.10	0.06	
	Deductions						
	Columns	-4.00	0.20	0.60	0.15	-0.07	
					Total Qty Work Done	15.90	Cum
					Qty Limited	15.62	Cum
					Qty Payable in this bill	15.62	Cum

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst. Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

2/5/22

Item No: **8**

Item Name: Providing and removing centering, shuttering, strutting, propping etc., and removal form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of materials, labhour complete as per specification.

	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
		Control Room					
	Footings	**4.00**	7.20		0.60	17.28	
	Columns Upto Plinth	**4.00**	1.30		1.20	6.24	
	Columns Upto Roof	**4.00**	1.30		3.00	15.60	
	Plinth Beam						
	PB1 &PB2	**4.00**	6.40		0.45	11.52	
	PB3 &PB4	**4.00**	4.40		0.45	7.92	
	Lintels- sides	**2.00**	22.00		0.15	6.60	
	Lintels- Bottoms	**3.00**	2.00		0.20	1.20	
	Roof Beam						
	GB1 &GB2	**4.00**	6.40		0.30	7.68	
	GB3 &GB4	**4.00**	4.40		0.30	5.28	
	Slab	**1.00**	6.40	4.40		28.16	
	Chejjas						
	W1	**1.00**	1.46	0.45		0.66	
	W	**1.00**	2.00	0.45		0.90	
	D	**1.00**	1.30	0.45		0.59	
					Total Qty Work Done	**109.62**	**Sqm**
					Qty Payable in this bill	**109.62**	**Sqm**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS ★ CIVIL ★ Bangalore

Consultant Representative

2/5/2022

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision
02/05/22

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

21/5/22

Item No:	**9**						
Item Name:	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification.						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
			Control Room				
	Slab Edges	**1.00**	21.60		0.15	3.24	
	Chejjas Sides						
	W1	**1.00**	2.36		0.10	0.24	
	W	**1.00**	2.90		0.10	0.29	
	D	**1.00**	2.20		0.10	0.22	
					Total Qty Work Done	**3.99**	**Sqm**
					Qty Payable in this bill	**3.99**	**Sqm**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

21/5/2022

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision
02/06/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**10**	
Item Name:	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wiere and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials labour HOM of machinery complete	

	CHAINAGE		**NO**	**L**	**B**	**B1**	**Avg B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**	**(m)**	**(m)**		
				Steel Qty Vide From Steel					**1874.89**	
								Total Quantity of Steel in Kg's	**1874.9**	**kgs**
								Total Quantity of Steel in Tonne's	**1.87**	**Tonnes**
								Qty Payable in this bill	**1.87**	**Tonnes**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

25/4/2022

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision
25/04/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First And Part Bill

Item No:	**10**	25/11/20
Item Name:	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wiere and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials labour HOM of machinery complete	

Sl No	Description of work	No.	length		Total length	Remarks	
	Control Room						
	Footing						
	10 mm dia bar for column mat						
	F1	4	20	1.95	=	152.10	
		4	20	1.95	=	152.10	
						304.20 mtr	
					@	**0.62**	**187.78** Kgs
	Column From Foundation to Plinth Level						
	C1						
	16 mm Dia Bar						
		4	6	2.50	=	60.00	
						60.00 mtr	
					@	**1.58**	**94.81** Kgs
	Column Strirrups						
	8 mm dia bar						
		4	25	0.98	=	97.50	
						97.50 mtr	
					@	**0.40**	**38.52** Kg/mtr
	Plinth Beams						
	PB1 To PB3						
	12 mm Dia Bar						
		2	4	4.70	=	37.60	
						37.60 mtr	
					@	**0.89**	**33.42** Kgs
	12 mm Dia Bar						
	Top Extra Bar	2	4	1.60	=	12.80	
	Bottom Extra Bar	2	2	2.00	=	8.00	
						20.80 mtr	
					@	**0.89**	**18.49** Kgs
	Plinth Beam Strirrups						
	8 mm dia bar						
		2	47	1.38	=	129.25	
						129.25 mtr	
					@	**0.40**	**51.06** Kg/mtr
	PB2 TO PB4						
	12 mm Dia Bar						
		2	4	6.70	=	53.60	
						53.60 mtr	
					@	**0.89**	**47.64** Kgs
	12 mm Dia Bar						
	Top-Extra Bar	2	4	1.90	=	15.20	
	Bottom-Extra Bar	2	2	4.90	=	19.60	
						34.80 mtr	

						@	**0.89**	**30.93**	Kgs
	Plinth Beam Strirrups								
	8	**mm dia bar**							
			2	67	1.38	=	184.25		
							184.25	mtr	
						@	**0.40**	**72.79**	Kg/mtr
	Column From Plinth to Roof Slab								
	C1								
	16	**mm Dia Bar**							
			4	6	4.65	=	111.60		
							111.60	mtr	
						@	**1.58**	**176.36**	Kgs
	Column Strirrups								
	8	**mm dia bar**							
			4	47	1.38	=	255.75		
							255.75	mtr	
						@	**0.40**	**101.04**	Kg/mtr
	Beams								
	GB1-GB3								
	16	**mm Dia Bar**							
			4	4	4.70	=	75.20		
	Lapping Length		4	4	1.30	=	20.80		
							96.00	mtr	
						@	**1.58**	**151.70**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		4	4	1.60	=	25.60		
	Extra Bar Bottom		4	2	3.30	=	26.40		
							52.00	mtr	
						@	**0.89**	**46.22**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			4	47	1.38	=	258.50		
							258.50	mtr	
						@	**0.40**	**102.12**	Kg/mtr
	GB2-GB4								
	16	**mm Dia Bar**							
			2	4	6.30	=	50.40		
	Lapping Length		2	4	1.20	=	9.60		
							60.00	mtr	
						@	**1.58**	**94.81**	Kgs
	12	**mm Dia Bar**							
	Extra Bar Top		2	4	1.95	=	15.60		
	Extra Bar Bottom		2	2	4.50	=	18.00		
							33.60	mtr	
						@	**0.89**	**29.87**	Kgs
	Beam Strirrups								
	8	**mm dia bar**							
			2	63	1.38	=	173.25		
							173.25	mtr	
						@	**0.40**	**68.44**	Kg/mtr
	Rcc Slab								
	10	**mm Dia Bar**							
			1	44	6.40	=	281.60		
			1	64	4.40	=	281.60		
	Tensions Bars		1	64	0.90	=	57.60		
			2	44	1.20	=	105.60		
	Chairs		1	30	0.45	=	13.50		
							739.90	mtr	
						@	**0.62**	**456.73**	Kgs
	Lintel								
	12	**mm Dia Bar**							
			3	4	2.60	=	31.20		

	Lapping Length		3	4	0.90	=	10.80		
							42.00	mtr	
						@	**0.89**	**37.33**	Kgs
	Lintel Strirrups								
	8	**mm dia bar**							
			3	26	0.68	=	52.65		
							52.65	mtr	
						@	**0.40**	**20.80**	Kg/mtr
	Chejjas								
	8	**mm Dia Bar**							
	W		1	4	2.00	=	8.00		
			1	13.333	0.50	=	6.67		
							14.67	mtr	
						@	**0.40**	**5.79**	Kgs
	8	**mm Dia Bar**							
	W1		1	4	1.46	=	5.26		
			1	9.7333	0.45	=	4.38		
							9.64	mtr	
						@	**0.40**	**3.81**	Kgs
	8	**mm Dia Bar**							
	Door		1	4	1.55	=	5.58		
			1	12.4	0.45	=	5.58		
							11.16	mtr	
						@	**0.40**	**4.41**	Kgs
							Total Qty Work Done	**1874.89**	**Kg's**
							Total Qty Work Done	**1.87**	**Tonne**
							Qty Payable in this bill	**1.87**	**Tonne**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

25/4/2022

Asst. Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

25/04/22

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**11**
Item Name:	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Control Room						
	Main Walls						
	Horizontal -Y	2.00	6.00		2.55	30.60	
	Horizontal -X	2.00	4.00		2.55	20.40	
	Parapit Walls						
	Horizontal -Y	2.00	6.00		0.65	7.80	
	Horizontal -X	2.00	4.00		0.65	5.20	
	Deductions						
	D	-1.00	1.00		2.10	-2.10	
	W	-1.00	2.60		1.20	-3.12	
	W1	-1.00	0.90		1.15	-1.04	
					Total Qty Work Done	**57.75**	**Sqm**
					Qty Limited	**56.31**	**Sqm**
					Qty Payable in this bill	**56.31**	**Sqm**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**12**	
Item Name:	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering,: providing and removing scaffolding, including cost of materials,labhour, curing complete as per specifications.	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
			Control Room				
	Ceilling						
		1.00	6.00	4.00		24.00	
	Chejjas						
	W1	**1.00**	1.46	0.45		0.66	
	W	**1.00**	2.00	0.45		0.90	
	D	**1.00**	1.30	0.45		0.59	
					Total Qty Work Done	**26.14**	**Sqm**
					Qty Limited	**15.36**	**Sqm**
					Qty Payable in this bill	**15.36**	**Sqm**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS * CIVIL * Bangalore

Consultant Representative

25/5/2022

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

25/05/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	13	
Item Name:	Providing 18mm thick cement plaster in single coat with cement mortor 1:4, to brick masonry including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(internal)	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
			Control Room				
	Internal Plastering						
	Main Walls						
	Horizontal -Y	2.00	6.00		3.00	36.00	
	Horizontal -X	2.00	4.00		3.00	24.00	
	Deductions						
	D	-1.00	1.00		2.10	-2.10	
	W	-1.00	2.60		1.20	-3.12	
	W1	-1.00	0.90		1.15	-1.04	
					Total Qty Work Done	**53.75**	**Sqm**
					Qty Limited	**44.55**	**Sqm**
					Qty Payable in this bill	**44.55**	**Sqm**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS CIVIL Bangalore

Consultant Representative

25/5/2022

Assistant Engineer
Ward No-17

25/05/2022

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	14
Item Name:	Providing 18mm thick cement plaster in single coat with cement mortar 1:3 to brick masonry including rounding off corners wherever required smooth rendering,: providing and removing scaffolding, including cost of materials,labhour, curing complete as per specifications.

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Control Room						
	Outside Plastering						
	Main Walls						
	Horizontal -Y	2.00	6.00		3.45	41.40	
	Horizontal -X	2.00	4.00		3.45	27.60	
	Deductions						
	D	-1.00	1.00		2.10	-2.10	
	W	-1.00	2.60		1.20	-3.12	
	W1	-1.00	0.90		1.15	-1.04	
	Parapit Walls						
	Horizontal -Y	4.00	6.00		0.65	15.60	
	Horizontal -X	4.00	4.00		0.65	10.40	
					Total Qty Work Done	**88.75**	**Sqm**
					Qty Limited	**49.91**	**Sqm**
					Qty Payable in this bill	**49.91**	**Sqm**

QUALITY CONSULTANTS & ENGINEERS * CIVIL * Bangalore

Contractor Representative

Consultant Representative

24/5/2022

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision
25/06/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	15	
Item Name:	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
			Control Room				
	Internal Walls						
	Horizontal -Y	2.00	6.00		3.00	36.00	
	Horizontal -X	2.00	4.00		3.00	24.00	
	Deductions						
	D	-1.00	1.00		2.10	-2.10	
	W	-1.00	2.60		1.20	-3.12	
	W1	-1.00	0.90		1.15	-1.04	
	Ceilling						
		1.00	6.00	4.00		24.00	
					Total Qty Work Done	**77.75**	**Sqm**
					Qty Limited	**59.91**	**Sqm**
					Qty Payable in this bill	**59.91**	**Sqm**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	16	
Item Name:	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. do- using silver grey granite / Multy Red / Ruby Red / Black / Hassan Green Granite of width not less than 1200mm	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
		Control Room					
	Granite Flooring						
	Room	1.00	6.00	4.00		24.00	
	Deductions						
	Cable Duct	-1.00	8.92	0.30		-2.68	
	Steps						
	Treads	3.00	1.55	0.30		1.40	
	Rise	3.00	1.55	0.15		0.70	
	Skirting						
	Treads	1.00	20.00	0.10		2.00	
					Total Qty Work Done	**25.42**	**Sqm**
					Qty Limited	**13.76**	**Sqm**
					Qty Payable in this bill	**13.76**	**Sqm**

QUALITY CONSULTANTS & ENGINEERS ★ CIVIL Bangalore

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	17	
Item Name:	Providing and finishing external walls in two coats with primer water proof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete. with primer	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Internal Walls						
	Horizontal -Y	2.00	6.00		3.00	36.00	
	Horizontal -X	2.00	4.00		3.00	24.00	
	Deductions						
	D	-1.00	1.00		2.10	-2.10	
	W	-1.00	2.60		1.20	-3.12	
	W1	-1.00	0.90		1.15	-1.04	
	Ceilling						
		1.00	6.00	4.00		24.00	
					Total Qty Work Done	**77.75**	**Sqm**
					Qty Limited	**59.91**	**Sqm**
					Qty Payable in this bill	**59.91**	**Sqm**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**18**	
Item Name:	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges etc., complete as per directions of the Engineer-in-charge o f the work .	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
			Control Room				
	Outside Plasterin						
	Main Walls						
	Horizontal -Y	2.00	6.00		3.45	41.40	
	Horizontal -X	2.00	4.00		3.45	27.60	
	Deductions						
	D	-1.00	1.00		2.10	-2.10	
	W	-1.00	2.60		1.20	-3.12	
	W1	-1.00	0.90		1.15	-1.04	
	Parapit Walls						
	Horizontal -Y	4.00	6.00		0.65	15.60	
	Horizontal -X	4.00	4.00		0.65	10.40	
					Total Qty Work Done	**88.75**	**Sqm**
					Qty Limited	**49.91**	**Sqm**
					Qty Payable in this bill	**49.91**	**Sqm**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

28/7/2022

Assistant Engineer
Ward No-17

Asst Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	19	8/1/22
Item Name:	Providing and fixing in position MS grill work for windows & ventilators weighing 21 kg/Sqm using MS flats or MS square rods or combination of MS flats & square rods as per design drawing including cutting steel sections welding the same to required pattern with a coat of red lead primer, including cost of materials, fixtures, labhour charges and HOM of machineries complete	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
		Control Room					
	Window Gril	1.00	0.90	1.15		1.04	
	21 kg/sqm					21.74	
					Total Qty Work Done	21.74	Kgs
					Qty Payable in this bill	21.74	Kgs

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**20**	
Item Name:	SOLID PVC DOOR FRAME : Providing and fixing factory made PVC door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners and jointed 2 nos. of 150 mm long brackets of 15mm x 15mm MS square tube the entire door frame to be reinforced with 19mm x 19mm gauge. The frame to be fixed to the wall using MS screws of 65/80 mm size complete.(P.No.57,I.No.9.84)	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Control Room						
	Door Frame	1.00	6.00			6.00	
					Total Qty Work Done	**6.00**	**Rmt**
					Qty Payable in this bill	**6.00**	**Rmt**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**21**	8/11/22
Item Name:	SOLID PANEL PVC DOOR SHUTTER : Providing and fixing 30mm factory made rigid foam panelled door shutter made of MS tube of 19 gauge thickness size 19mm x 19mm from styles and 15mm x 15mm for top and bottome rails, covered with heat moulded PVC channel of 5mm thick sheet and 30mm x 50mm wide to form styles and 5mm thick 75mm wide PVC sheets for top rails, lock rails and bottom rails, on either side and 5mm thick 20mm wide PVC sheet as gap inset for top rails and bottom rails panelling of 5mm thick PVC sheet fitted in the MS frame, seales to the styles and rails with 5 x 30mm PVC sheet beading on either side and joined together with solvent cement adhesive etc., complete as per manufactures specifications and directions as per engineer-in-charge fixed to frames with 3 nos of 75mm aluminium hinge.With both side prelam	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Door Shutter	1.00	0.90		2.10	1.89	
					Total Qty Work Done	**1.89**	**Sqm**
					Qty Payable in this bill	**1.89**	**Sqm**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**22**	
Item Name:	KSRB 7.12 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using four track window frame of size 122.2x31.75mm. for bottom section 1.1mm thick, weight 1.205 kg/m; sides and top sections 1.2 mm. thick weight 1.093 kg/m; shutter section comprising top and bottom section of size 40mmx18mm wall thickness 1.25mm. weight 0.417 kg./m, shutter sideouter 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. weight 0.469 kg/m; shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles, tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading including cutting to required length, joints mitred subdividing the frame, tenonned and rivetted in the assembled frame to be stiffened with end clips at corners, angles etc.; fixed to the walls, lintels, floor beams;cills, as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar; aluminium sections pretreated for removal of any rust and coated with greasy materials for non adhesion of mortar and other sticky materials; (this coating should be cleaned after installation) including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. using aluminium section anodized to 12 - 15 microns	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
		Control Room					
	Window Gril	1.00	0.90	1.15		1.04	
					Total Qty Work Done	**1.04**	**Sqm**
					Qty Payable in this bill	**1.04**	**Sqm**

CIVIL QUALITY CONSULTANTS & ENGINEERS ★ Bangalore

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	34	
Item Name:	CONCEALED CONDUIT SYSTEM: Supplying ..... mm dia 2mm 2.5mm thick heavy gauge PVC Conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18 SWG GI fish wire wherever necessary. 19/20mm dia 2mm thick	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1	10.00		-	-		10.00	
							Total Qty Work Done	**10.00**	**Mtr**
							Qty Payable in this bill	**10.00**	**Mtr**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	35	
Item Name:	b) 25mm dia 2mm thick	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1	8.00		-	-		8.00	
							Total Qty Work Done	**8.00**	**Mtr**
							Qty Payable in this bill	**8.00**	**Mtr**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

25/4/2022

Assistant Engineer
Ward No-17

25/4/2022

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**36**	
Item Name:	c) 32mm dia 2mm thick	

SLNO	**CHAINAGE** / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
		1	15.00		-	-		15.00	
							Total Qty Work Done	**15.00**	**Mtr**
							Qty Payable in this bill	**15.00**	**Mtr**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS ★ CIVIL Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

25/4/2022

Asst.Executive Engineer
Yashanthapura Subdivision

25/04/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	37	
Item Name:	d) 40mm dia 2mm thick	

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1	20.00		-	-		20.00	
							Total Qty Work Done	**20.00**	**Mtr**
							Qty Payable in this bill	**20.00**	**Mtr**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

25/4/2022

Assistant Engineer
Ward No-17

25/4/2022

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE									
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).									
Measurement Sheet									
First & Part Bill									
Item No:	**38**								
Item Name:	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved makes etc., 75x75x65mm								
SLNO	**CHAINAGE** / **Land Mark**		**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
			3			-	-		3.00	
								Total Qty Work Done	**3.00**	**Each**
								Qty Payable in this bill	**3.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

25/4/2022

Asst.Executive Engineer
Yashanthapura Subdivision

25/4/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	39	
Item Name:	135x75x65mm	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		2			-	-		2.00	
							Total Qty Work Done	**2.00**	**Each**
							Qty Payable in this bill	**2.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	40	
Item Name:	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete. 12"x12"x3" (300x228x76mm)	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1			-	-		1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

25/4/2022

Assistant Engineer
Ward No-17

25/4/2022

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	41									
Item Name:	b) 12"x9"x3" (300x228x76mm)									
SLNO	**CHAINAGE** / **Land Mark**		**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
			2			-	-		2.00	
								Total Qty Work Done	**2.00**	**Each**
								Qty Payable in this bill	**2.00**	**Each**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS * CIVIL Bangalore

Consultant Representative

25/4/2022

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

25/04/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	42	
Item Name:	c) 4"x4"x3" (101x101x76mm)	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1			-	-		1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

25/4/2022

Asst.Executive Engineer
Yashanthapura Subdivision

29/04/22

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	43								
Item Name:	1 to 2 way								
SLNO	**CHAINAGE** / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
		3			-	-		3.00	
							Total Qty Work Done	**3.00**	**Each**
							Qty Payable in this bill	**3.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

25/4/2022

Asst.Executive.Engineer
Yashanthapura Subdivision

25/4/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	44								
Item Name:	3 to 4 way								
SLNO	**CHAINAGE** / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
		4			-	-		4.00	
							Total Qty Work Done	**4.00**	**Each**
							Qty Payable in this bill	**4.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

25/4/2022

Asst.Executive Engineer
Yashanthapura Subdivision

25/04/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	45	
Item Name:	Supplying and fixing PVC/metal conduit Deep junction box 19/20mm deep junction box	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		2			-	-		2.00	
							Total Qty Work Done	**2.00**	**Each**
							Qty Payable in this bill	**2.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	46	
Item Name:	25mm deep junction box	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		3			-	-		3.00	
							Total Qty Work Done	**3.00**	**Each**
							Qty Payable in this bill	**3.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**47**	
Item Name:	32mm deep junction box	

SLNO	**CHAINAGE** / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
		4			-	-		4.00	
							Total Qty Work Done	**4.00**	**Each**
							Qty Payable in this bill	**4.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

25/4/2022

Asst.Executive Engineer
Yashanthapura Subdivision

25/04/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**48**	
Item Name:	Extra for groove cutting in brick wall /CC floor' to the suitable depth for con cealing of conduit/GI pipe and plastering,finishing upto wall surface complete	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1	25.00		-	-		25.00	
							Total Qty Work Done	**25.00**	**Mtr**
							Qty Payable in this bill	**25.00**	**Mtr**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS * CIVIL * Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	49	
Item Name:	Suplplying and fixing "S" Hook made out of 14mm dia M.S. rod	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		4			-	-		4.00	
							Total Qty Work Done	**4.00**	**No**
							Qty Payable in this bill	**4.00**	**No**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

25/4/2022

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	50	
Item Name:	Suplplying and fixing Metal fan box with round hook.	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1			-	-		1.00	
							Total Qty Work Done	**1.00**	**No**
							Qty Payable in this bill	**1.00**	**No**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill 8/1/22

Item No:	**51**	
Item Name:	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP Control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet. I Point wiring using class A MaterialsShort point upto 3Mtrs from tapping point to out let via switch	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		20			-	-		20.00	
							Total Qty Work Done	**20.00**	**Each**
							Qty Payable in this bill	**20.00**	**Each**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill 2/11/22

Item No:	**52**	
Item Name:	b) Medium point above 3Mtrs upto 6Mtr from Tapping point to out let via switch	

SLNO	**CHAINAGE** / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
		25			-	-		25.00	
							Total Qty Work Done	**25.00**	**Each**
							Qty Payable in this bill	**25.00**	**Each**

Contractor Representative

Consultant Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**53**	
Item Name:	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring. I Group A a) 1 sqmm	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1	25.00		-	-		25.00	
							Total Qty Work Done	**25.00**	**Mtr**
							Qty Payable in this bill	**25.00**	**Mtr**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill 8/11/22

Item No:	54	
Item Name:	b) 2.5 Sqmm	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1	15.00		-	-		15.00	
							Total Qty Work Done	**15.00**	**Mtr**
							Qty Payable in this bill	**15.00**	**Mtr**

CIVIL QUALITY CONSULTANTS & ENGINEERS ★ Bangalore

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	55	
Item Name:	c) 4.0 sqmm	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1	20.00		-	-		20.00	
							Total Qty Work Done	**20.00**	**Mtr**
							Qty Payable in this bill	**20.00**	**Mtr**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	56	
Item Name:	d) 6.0 sqmm	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1	16.00		-	-		16.00	
							Total Qty Work Done	**16.00**	**Mtr**
							Qty Payable in this bill	**16.00**	**Mtr**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**57**	
Item Name:	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box.3.6.1) 1 to 3 module	

SLNO	**CHAINAGE** / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
		5			-	-		5.00	
							Total Qty Work Done	**5.00**	**Each**
							Qty Payable in this bill	**5.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**58**	
Item Name:	3.6.2) 4 module	

SLNO	**CHAINAGE** / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
		6			-	-		6.00	
							Total Qty Work Done	**6.00**	**Each**
							Qty Payable in this bill	**6.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**59**	
Item Name:	3.6.3) 6 module	

SLNO	**CHAINAGE** / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
		10			-	-		10.00	
							Total Qty Work Done	**10.00**	**Each**
							Qty Payable in this bill	**10.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**60**	
Item Name:	Supplying and fixing of T5 Fluorescent Tube with 14W power consumption with low 3mg Mercury content & below 40% glass content than T8 lamp & 20% less phosphor coating than T8 with initial lumen on 1350 (for 3000-6500 deg Kelvin), rated Avg life (12 Hr. Cycle) of greater than 35000 burring hours. Operating voltage range from 180V to 265V, 50Hz AC power Supply	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		3			-	-		3.00	
							Total Qty Work Done	**3.00**	**Each**
							Qty Limited	**2.00**	**Each**
							Qty Payable in this bill	**2.00**	**Each**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	61	
Item Name:	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required. It 1) 50-63 Amps SP	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1			-	-		1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**62**	
Item Name:	2) 6-32 Amps SP	

SLNO	**CHAINAGE** / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
		1			-	-		1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**63**	
Item Name:	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains,Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have inhouse facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source. (PWD-Ele-SR, 2014-15, P-67, Slno-12.9.2) 100W	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1			-	-		1.00	
						Total Qty Work Done		**1.00**	**Each**
						Qty Payable in this bill		**1.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**64**	
Item Name:	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc., and fixing on existing wooden or metal box using N.F.Screws.	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1	1000.00		-	-		1000.00	
							Total Qty Work Done	**1000.00**	**Sqcm**
							Qty Payable in this bill	**1000.00**	**Sqcm**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS CIVIL Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	65	
Item Name:	Supplying capacitor type ceiling fan complete with dawn rod blades, shackle, canopies etc., for operation on 230 Volts, 50 Cycles, Single Phase AC Supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved. 1 48" Sweep (1200 mm)	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1			-	-		1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	66	
Item Name:	Supplying and fixing of modular switch/Socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate.I. Using Group "B" materials 3.7.16) Stepped Fan Regulator	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1			-	-		1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS CIVIL Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

30/7/2022

Asst.Executive Engineer
Yashanthapura Subdivision

08/08/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**67**	
Item Name:	3.7.11) TV/Telephone socket	

SLNO	**CHAINAGE** / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
		2			-	-		2.00	
							Total Qty Work Done	**2.00**	**Each**
							Qty Payable in this bill	**2.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	68								
Item Name:	3.7.12) RJ45/I.O. outlet								
SLNO	**CHAINAGE** / **Land Mark**		**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
			3			-	-		3.00	
								Total Qty Work Done	**3.00**	**Each**
								Qty Payable in this bill	**3.00**	**Each**

QUALITY CONSULTANTS & ENGINEERS Bangalore

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	69	
Item Name:	Fixing a Ceiling/Wall mounting fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely.	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1			-	-		1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**70**	8/11/22
Item Name:	Supplying and fixing Moulded Cases Cicuit Breaker (MCCB) over the existing wood/panel/ board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947.(Icu = Ics) 6.13.1) 100Amps 25kA.	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1			-	-		1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**71**	
Item Name:	6.13.4) 250Amps 35kA.	

SLNO	**CHAINAGE** / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
		1			-	-		1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**72**	8/11/22
Item Name:	Supplying, fixing wiring earth electrode for gounding conduits, I.C.Cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12 mm dia	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		2			-	-		2.00	
							Total Qty Work Done	**2.00**	**Each**
							Qty Payable in this bill	**2.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	73	8/11/22
Item Name:	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV Class I. Class 'A' PVC Cable -	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1	20.00		-	-		20.00	
							Total Qty Work Done	**20.00**	**Mtr**
							Qty Payable in this bill	**20.00**	**Mtr**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS ★ Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	74	
Item Name:	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct.	

SLNO	CHAINAGE / Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			1	20.00		-	-		20.00	
								Total Qty Work Done	**20.00**	**Mtr**
								Qty Payable in this bill	**20.00**	**Mtr**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**75**	2/1/22
Item Name:	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.	

SLNO	CHAINAGE / Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			1	15.00		-	-		15.00	
								Total Qty Work Done	**15.00**	**Mtr**
								Qty Payable in this bill	**15.00**	**Mtr**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	**76**	
Item Name:	Geophysical investigation of site for sinking borewell for supply drinking water to the habitation either through the hand pump M.W.S or P.W.S.S by vertical electrical sounding by adopting venner or schlumberger's method including reconnaissance survey of geological formation Geophysical investigation of existing ground water infecundity its quality, quantity & acceptability of the user indicating the location of site recommended depth of casting pipe required to seal the top in consolidated formation including an extra depth of 1.00 Mtr in consolidated formation of proper scatting of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation technical personal and labour etc.,	

	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
Near Musical Fountain									
		1			-	-	-	1.00	
							Total Qty Work Done	**1.00**	**No's**
							Qty Payable in this bill	**1.00**	**No's**

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Contractor Representative

Consultant Representative

25/4/2022

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	**77**	
Item Name:	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) 0 to 50 m	

	CHAINAGE		**NO**	**L**	**B**	**B1**	**Avg B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**	**(m)**	**(m)**		
Near Musical Fountain										
	~~0.00~~	50.00	1						50.00	
								Total Qty Work Done	**50.00**	**Rmt**
								Qty Payable in this bill	**50.00**	**Rmt**

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Contractor Representative

Consultant Representative

26/4/2022

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

26/04/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	**78**	
Item Name:	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) **50 to100 m**	

	CHAINAGE		**NO**	**L**	**B**	**B1**	**Avg B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**	**(m)**	**(m)**		
Near Musical Fountain										
	50.00	100.00	1	50.00 mt depth					50.00	
								Total Qty Work Done	**50.00**	**Rmt**
								Qty Payable in this bill	**50.00**	**Rmt**

Contractor Representative

Consultant Representative

26/4/2022

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No: **79**

Item Name: Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete)

100 to150 m

	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
Near Musical Fountain										
	100.00	150.00	1	50.00 mtr					50.00	
								Total Qty Work Done	**50.00**	**Rmt**
								Qty Payable in this bill	**50.00**	**Rmt**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

26/4/2022

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	**80**									
Item Name:	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete)									
	CHAINAGE		**NO**	**L**	**B**	**B1**	**Avg B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**	**(m)**	**(m)**		
Near Musical Fountain										
	150.00	200.00	1	50.00 mtr depth.					50.00	
								Total Qty Work Done	**50.00**	**Rmt**
								Qty Payable in this bill	**50.00**	**Rmt**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill 26/4/22

Item No: **80**

Item Name: Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete)

150 to 200 m

	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
Near Musical Fountain										
	150.00	200.00	1	50.00 mtr depth.					50.00	
								Total Qty Work Done	**50.00**	**Rmt**
								Qty Payable in this bill	**50.00**	**Rmt**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17
26/4/2022

Asst.Executive Engineer
Yashanthapura Subdivision
26/4/22

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No: **81**

Item Name: Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete)

	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
Near Musical Fountain										
	200.00	250.00	1	50.00					50.00	
								Total Qty Work Done	**50.00**	**Rmt**
								Qty Payable in this bill	**50.00**	**Rmt**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

26/4/2022

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	82									
Item Name:	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) 250 to 300 m									
	CHAINAGE		**NO**	**L**	**B**	**B1**	**Avg B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**	**(m)**	**(m)**		
Near Musical Fountain										
	250.00	300.00	1	50.00 mtr depth					50.00	
								Total Qty Work Done	**50.00**	**Rmt**
								Qty Payable in this bill	**50.00**	**Rmt**

Contractor Representative

26/02/2022

Assistant Engineer
Ward No-17

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Asst.Executive Engineer
Yashanthapura Subdivision

26/02/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill 26/4/22

Item No:	**83**	
Item Name:	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) 300 to 350 m	

	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
Near Musical Fountain										
	300.00	350.00	1	50.00 mtr. depth					50.00	
								Total Qty Work Done	**50.00**	**Rmt**
								Qty Payable in this bill	**50.00**	**Rmt**

Contractor Representative

Consultant Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

26/4/2022

Assistant Engineer
Ward No-17

Asst.Executive Engineer
Yashanthapura Subdivision

26/04/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	**84**									
Item Name:	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) 350 to Above									
	CHAINAGE		**NO**	**L**	**B**	**B1**	**Avg B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**	**(m)**	**(m)**		
Near Musical Fountain										
	350.00	400.00	1	Soil water depth.					50.00	
								Total Qty Work Done	**50.00**	**Rmt**
								Qty Payable in this bill	**50.00**	**Rmt**

Contractor Representative

Assistant Engineer
Ward No-17

26/4/2022

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Asst.Executive Engineer
Yashanthapura Subdivision
26/4/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	85	
Item Name:	Supply of ISI mark 175 mm nominal bore plain end steel casing pipe grade of steel Fe 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments electric resistance welded steel tube material and conformming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen preocess in random length of 54 to 7 mts both ends threaded conforming to IS 4270-2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be ISI marking weighing 25.10 kg/m (Inclusssive of all taxes and duties). Prices incluide collar-medium duty (Material component)	

	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Near Musical Fountain										
	0.00	30.00	1	30.00					30.00	
Total Qty Work Done									30.00	Rmt
Qty Payable in this bill									30.00	Rmt

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS * CIVIL Bangalore

Consultant Representative

Assistant Engineer
Ward,17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	86									
Item Name:	Supplying of 175 mm MS cap									
	CHAINAGE	**NO**	**L**	**B**	**B1**	**Avg B**	**D**	**QTY**	**REMARKS**
	Land Mark		**(m)**	**(m)**	**(m)**	**(m)**	**(m)**		
Near Musical Fountain									
		1						1.00	
Total Qty Work Done								**1.00**	**Each**
	Qty Payable in this bill							**1.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward,17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	87									
Item Name:	Supply of 175mm MS Collar..									
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
Near Musical Fountain									
		1						1.00	
								1.00	**Each**
								1.00	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward,17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	88									
Item Name:	Providing and fixing PVC pipe 250 mm dia 6 kg/sqm									
	CHAINAGE		**NO**	**L**	**B**	**B1**	**Avg B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**	**(m)**	**(m)**		
Near Musical Fountain										
			1	6.00					6.00	
Total Qty Work Done									**6.00**	**Rmt**
	Qty Payable in this bill								**6.00**	**Rmt**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward, 17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	89									
Item Name:	Atalanta suguna CRI KIRLOSKAR and other equipments pumps 10.00 HP/7.5 KV (20 stage) (Pg No. XLI. Sl.no.29)									
	CHAINAGE		**NO**	**L**	**B**	**B1**	**Avg B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**	**(m)**	**(m)**		
Near Musical Fountain										
			1						1.00	
Total Qty Work Done									**1.00**	**Set**
	Qty Payable in this bill								**1.00**	**Set**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward,17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	**90**	
Item Name:	Supplying and drawing 3 core flat PVC sheathed submersible pump cable maufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and power coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of group A 3CX4.0 sq.mm	

	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
	Near Musical Fountain								
		1	300.00					300.00	
							Total Qty Work Done	**300.00**	**Mtrs**
							Qty Payable in this bill	**300.00**	**Rmt**

QUALITY CONSULTANTS & ENGINEERS Bangalore CIVIL

Contractor Representative

Consultant Representative

27/4/2022

Assistant Engineer
Ward,17

Asst.Executive Engineer
Yashanthapura Subdivision

27/04/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	91	
Item Name:	Providing and fixing in position 50mm nominal bore non-return valve vertical type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. (PWD SR 18-19, P-95, it.13.62)	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Near Musical Fountain								
		1						1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward,17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	92	
Item Name:	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 40-63 Amps	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Near Musical Fountain									
			1					1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGG. Bangalore

Consultant Representative

Assistant Engineer
Ward,17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	**93**									
Item Name:	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cotouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia									
	CHAINAGE		**NO**	**L**	**B**	**B1**	**Avg B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**	**(m)**	**(m)**		
Near Musical Fountain										
			1						1.00	
Total Qty Work Done									**1.00**	**Each**
	Qty Payable in this bill								**1.00**	**Each**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

onsultant Representati

Assistant Engineer
Ward,17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	94	
Item Name:	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 40-63 Amps	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Near Musical Fountain								
		Cafe	1					1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward,17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	95	
Item Name:	Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps (PWD Ele SR 2019-20,P-24,It-5.5.1)	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Near Musical Fountain								
		1						1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward,17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE									
Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).									
Measurement Sheet									
First and Part Bill									
Item No:	**96**								
Item Name:	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC								
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
Near Musical Fountain									
		1						1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward,17

Asst.Executive Engineer
Yashanthapura,Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First and Part Bill

Item No:	97									
Item Name:	KSRB13-6.2-1 : Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.									
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
Near Musical Fountain									
		1						1.00	
							Total Qty Work Done	**1.00**	**Each**
							Qty Payable in this bill	**1.00**	**Each**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward,17

Asst.Executive Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**98**	
Item Name:	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete,-wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.KSRRB M200-12.3. -d o -.prestressed/Reinforced cement concrete grade M-20 above	

	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
		Od Pond Dismantling					
	Old Pond Walls	**2.00**	45.00	0.30	0.90	24.30	
		2.00	10.00	0.30	0.90	5.40	
	Flooring	**1.00**	45.00	10.00	0.25	112.50	
					Total Qty Work Done	**142.20**	**Cum**
					Qty Payable in this bill	**142.20**	**Cum**

Contractor Representative

Consultant Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

25/3/2022

25/04/2022

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	99						
Item Name:	Earth work in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.50m. excavated surface levelled and neatly dressed , disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.(P.No.5, I.No.2.1)						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Earth Work						
		1.00	46.00	13.00	2.20	1315.60	
					Total Qty Work Done	**1315.60**	**Cum**
					Qty Limited	**990.00**	**Cum**
					Qty Payable in this bill	**990.00**	**Cum**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

29/3/2022

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**100**	
Item Name:	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 15kms.	

	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond						
			Qty Vide From I.No-98			142.20	
			Qty Vide From I.No-99			1315.60	
					Total Qty Work Done	**1457.80**	**Cum**
					Qty Limited	**1132.20**	**Cum**
					Qty Payable in this bill	**1132.20**	**Cum**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS CIVIL Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

29/3/2022

Asst.Exective Engineer
Yashanthapura Subdivision

29/3/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**101**	
Item Name:	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.	

	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond-GSB						
		1.00	45.20	12.25	0.40	222.70	
					Total Qty Work Done	**222.70**	**Cum**
					Qty Payable in this bill	**222.70**	**Cum**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS CIVIL Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

31/3/2022

Asst.Exective Engineer
Yashanthapura Subdivision

25/04/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**102**						
Item Name:	Providing and Filling in foundation with granite/trap broken metal 100mm. And down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labhour with all lead and lift, complete as per specifications.						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Sollings						
		1.00	45.20	12.25	0.23	127.35	
					Total Qty Work Done	**127.35**	**Cum**
					Qty Limited	**99.00**	**Cum**
					Qty Payable in this bill	**99.00**	**Cum**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No-17

2/4/2022

Asst.Exective Engineer
Yashanthapura Subdivision

22/04/22

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**103**						
Item Name:	KSRB-3.2: Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured)						
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**D** (m)	**QTY**	**REMARKS**
	New Pond- Chemical Injecting						
		1.00	45.20	12.85		580.82	
					Total Qty Work Done	**580.82**	**Sqm**
					Qty Limited	**495.00**	**Sqm**
					Qty Payable in this bill	**495.00**	**Sqm**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS ★ Bangalore

Consultant Representative

2/4/2022

Assistant Engineer
Ward No-17

Asst.Exective Engineer
Yashanthapura Subdivision

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**104**						
Item Name:	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete						
	CHAINAGE / Land Mark	**NO**	**L (m)**	**B (m)**	**D (m)**	**QTY**	**REMARKS**
	New Pond- PCC 1:3:6						
	Pond Area	**1.00**	45.20	12.85	0.150	87.12	
	Deck Slab	**1.00**	298.99		0.125	37.37	
					Total Qty Work Done	**124.50**	**Cum**
					Qty Limited	**99.00**	**Cum**
					Qty Payable in this bill	**99.00**	**Cum**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No-17

6/4/2022

Asst.Exective Engineer
Yashanthapura Subdivision

22/04/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Redesign and Upgrading of Existing Musicle fountain Interfaced With Multimedia based laser And Video Projection on Aqua Screen At J.P Park Ward No 17 Under package -2019-20 RRN-DIV-(08).

Measurement Sheet

First & Part Bill

Item No:	**105**	
Item Name:	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) - Ready mixed Cement concrete for Beams, Staircase and Roof with M-30	

	CHAINAGE / Land Mark	**NO**	**L (m)**	**B (m)**	**D (m)**	**QTY**	**REMARKS**
	New Pond- M30 Concrete						
	Raft	**1.00**	45.20	12.85	0.30	174.25	
	Deductions						
	Chamber	**-1.00**	0.90	0.90	0.23	-0.19	
	Walls-X	**2.00**	45.20	0.30	0.90	24.41	
	Walls-Y	**2.00**	12.25	0.30	0.90	6.62	
					Total Qty Work Done	**205.08**	**Cum**
					Qty Limited	**144.09**	**Cum**
					Qty Payable in this bill	**144.09**	**Cum**

Contractor Representative

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Consultant Representative

Assistant Engineer
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1/6/2022

Asst.Exective Engineer
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01/06/2022